

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012021\
 Data File : VL036259.D
 Acq On : 20 Jan 2021 23:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2021 6:36:18 PM

Quant Time: Jan 21 01:36:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.664	49	1404108	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	3107568	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	2954440	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.417	95	2490869	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.044	85	1934566	10.28	ppbv	99
3) Chlorodifluoromethane	2.980	51	1734902	10.06	ppbv	98
4) Chloromethane	3.134	50	827975	9.71	ppbv	93
5) Vinyl Chloride	3.253	62	813799	10.09	ppbv	99
6) Bromomethane	3.468	94	463157	10.27	ppbv	98
7) Chloroethane	3.552	64	272931	9.83	ppbv	96
8) Dichlorotetrafluoroethane	3.182	85	1867265	10.24	ppbv	97
9) Propene	3.002	41	745269	9.08	ppbv	99
10) Heptane	8.118	43	1940789	9.52	ppbv	98
11) Trichlorofluoromethane	3.944	101	1917619	10.02	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.478	101	1202965	10.37	ppbv	98
13) Ethanol	3.603	45	112272m	8.71	ppbv	
14) Bromoethene	3.735	108	513759	9.73	ppbv	99
15) Acetone	3.845	43	1553609	9.03	ppbv	97
16) 1,3-Butadiene	3.321	39	825086	9.85	ppbv	99
17) tert-Butyl alcohol	4.285	59	1335705	9.41	ppbv	99
18) 1,1-Dichloroethene	4.282	96	536157	9.97	ppbv	98
19) Isopropyl Alcohol	3.964	45	932897	9.00	ppbv	99
20) Methylene Chloride	4.340	84	463488	8.44	ppbv	96
21) Allyl Chloride	4.407	41	936971	10.01	ppbv	95
22) trans-1,2-Dichloroethene	4.880	96	490812	9.88	ppbv	98
23) Vinyl Acetate	5.070	43	2058731	9.88	ppbv	98
24) 1,1-Dichloroethane	5.005	63	1527640	10.12	ppbv	100
25) Ethyl Acetate	5.674	43	3273712	9.48	ppbv	99
26) Hexane	5.684	57	1333407	9.28	ppbv	99
27) Carbon Disulfide	4.546	76	1297327	11.29	ppbv	100
28) Methyl tert-Butyl Ether	5.031	73	1832813	9.43	ppbv	97
29) Chloroform	5.751	83	2107312	10.24	ppbv	95
30) Cyclohexane	7.124	84	1105522	10.06	ppbv	99
31) cis-1,2-Dichloroethene	5.546	61	1390460	10.12	ppbv	96
32) 1,1,1-Trichloroethane	6.510	97	2076313	10.43	ppbv	100
34) 2-Butanone	5.240	43	2097724	9.17	ppbv	100
35) Carbon Tetrachloride	7.015	117	2089446	10.64	ppbv	97
36) Benzene	6.890	78	2751327	9.66	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1770874	10.34	ppbv	100
38) Trichloroethene	7.832	130	902161	8.55	ppbv	97
39) 1,2-Dichloropropane	7.613	63	1111747	9.62	ppbv	96
40) 1,4-Dioxane	7.828	88	369323	8.83	ppbv #	89
41) Tetrahydrofuran	6.044	42	1246040	9.42	ppbv	98
42) Bromodichloromethane	7.790	83	2281263	10.59	ppbv	95
43) Methyl Methacrylate	8.008	69	1225857	10.13	ppbv	97
44) 2,2,4-Trimethylpentane	7.867	57	4755436	9.09	ppbv	99
45) t-1,3-Dichloropropene	9.278	75	1300233	11.31	ppbv	98

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46) cis-1,3-Dichloropropene	8.703	75	1574368	10.66	ppbv	97
47) 1,1,2-Trichloroethane	9.475	97	1055350	9.54	ppbv	96
48) Dibromochloromethane	10.304	129	1691976	10.46	ppbv	100
49) Bromoform	13.040	173	1309748	9.70	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	3233657	9.48	ppbv	100
51) 2-Hexanone	10.134	43	2625283	9.75	ppbv #	99
52) Tetrachloroethene	11.224	164	855917	8.16	ppbv	99
53) Toluene	9.803	91	3014585	9.46	ppbv	100
54) 1,2-Dibromoethane	10.613	107	1541490	9.40	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.127	131	1261630	9.57	ppbv	99
57) Chlorobenzene	12.147	112	2047311	8.83	ppbv	98
58) Ethyl Benzene	12.709	91	3990608	9.10	ppbv	96
59) m/p-Xylene	12.995	91	6722242m	17.84	ppbv	
60) o-Xylene	13.693	91	3151119	8.68	ppbv	97
61) Styrene	13.529	104	2153801	9.39	ppbv	99
62) Isopropylbenzene	14.667	105	4594840	8.51	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.677	83	2128426	7.87	ppbv	99
64) n-propylbenzene	15.564	120	1156777	8.72	ppbv	95
65) tert-Butylbenzene	16.748	119	3808045	8.32	ppbv	99
66) Benzyl Chloride	16.992	91	1167423	9.99	ppbv	99
67) sec-Butylbenzene	17.294	105	5524773	8.14	ppbv	100
69) p-Isopropyltoluene	17.654	119	4530871	8.41	ppbv	99
70) n-Butylbenzene	18.551	91	4973791	8.67	ppbv	99
71) 2-Chlorotoluene	15.455	91	3578074	8.43	ppbv	99
72) 4-Ethyltoluene	15.841	105	3523428	8.60	ppbv	99
73) 1,3,5-Trimethylbenzene	15.998	105	3328030	8.52	ppbv	100
74) 1,2,4-Trimethylbenzene	16.767	105	3379576	8.43	ppbv	97
75) 1,3-Dichlorobenzene	16.998	146	1779546	8.28	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	1754283	8.26	ppbv	99
77) 1,2-Dichlorobenzene	17.818	146	1794317	8.55	ppbv	99
78) Hexachloro-1,3-Butadiene	23.378	225	1727776	10.29	ppbv	99
79) Naphthalene	22.198	128	3523418	15.04	ppbv	96
80) Naphthalene,2-methyl-	24.976	142	821329	16.43	ppbv	98
81) 1,2,4-Trichlorobenzene	21.924	180	1753711m	12.83	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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